



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Viracon, Inc.
800 Park Drive
Owatonna, MN 55060

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: StormGuard Glass Interlayer

APPROVAL DOCUMENT: Drawing No. 1567, titled "StormGuard Interlayer for Laminated Glass", sheets 1 and 2 of 2, dated 01/08/2008, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Glass lites laminated under this Product Approval shall be permanently marked in a corner of the glass with: a) StormGuard, b) Glass standard specifications, c) Laminator identification mark and d) MDCA, standing for Miami Dade County Approved.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA # 08-0508.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
105/21/2013

NOA No. 12-1120.04
Expiration Date: April 14, 2018
Approval Date: May 30, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 1567, titled "StormGuard Interlayer for Laminated Glass", sheets 1 and 2 of 2, dated 01/08/2008, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS "Submitted under NOA # 09-0223.05"

	Test report	Standard	Date	Signature
1.	ETC-07-726-20120.0	ASTM D2843	07/17/08	Joseph L. Doldan, P.E.
2.	ETC-07-726-20120.0	ASTM D1929	07/17/08	Joseph L. Doldan, P.E.
3.	ETC-07-726-20120.0	ASTM D635	07/17/08	Joseph L. Doldan, P.E.
4.	ETC-07-726-20120.0	ASTM C158	07/17/08	Joseph L. Doldan, P.E.

"Submitted under NOA # 08-1224.04"

5.	ETC 03-191-13748.0	ASTM D 2843	07/25/03	Joseph L. Doldan, P.E.
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"Submitted under NOA # 03-0421.01"

6.	Omega 15542-109493	ASTM E 84	09/12/01	J.W. Dougherty, P.E.
7.	Omega 15542-109763	ASTM E 84	10/30/01	J.W. Dougherty, P.E.
8.	HTL 0003-0913-01	PA 201 & 203	09/12/02	V. J. Abraham, P.E.
9.	ETC 01-726-10071.0	ASTM C 158	10/15/01	J. L. Doldan, P.E.
10.	ETC 01-726-11204.0	ASTM D 1929	09/24/01	J. L. Doldan, P.E.
11.	ETC 01-726-11204.0	ASTM D 635	09/24/01	J. L. Doldan, P.E.
12.	ETC 01-726-11204.0	ASTM D 2843	09/24/01	J. L. Doldan, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

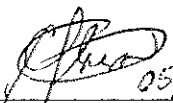
1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/03/2012, signed and sealed by Warren W. Schaefer, P.E.
2. No financial interest letter issued by W. W. Schaefer Engineering & Consulting, P.A., on 10/03/2012, signed and sealed by Warren W. Schaefer, P.E.

"Submitted under NOA # 11-1102.10"

3. Private label agreement and letter dated 07/23/2002.

 05/21/2013

Carlos M. Utrera, P.E.
Product Control Examiner

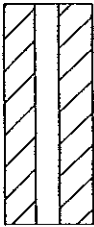
NOA No. 12-1120.04

Expiration Date: April 14, 2018

Approval Date: May 30, 2013

STORMGUARD PRODUCT DESCRIPTION

ABA



SECTION

MANUFACTURED BY: VIRACON, INC.

DESCRIPTION: STORMGUARD IS A CLEAR &/OR COLORED POLYVINYL BUTRYAL INTERLAYER MATERIAL FOR LAMINATION BETWEEN 2 OR MORE LITES OF GLASS. A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS (MINIMUM THICKNESS INDICATED - MULTIPLE LAYERS OF INTERLAYER TO BE USED AS NECESSARY):

A - 2.3 mm (0.090")	ANNEALED GLASS
B - 1.27 mm (0.05 in.)	SAFLEX® HP (DM) INTERLAYER EXTRUDED SHEET

PRODUCT PROPERTIES

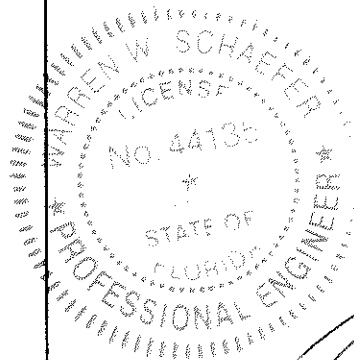
FOOTNOTE	DESCRIPTION	TEST	SAFLEX® HP (DM)
(1)	FLAME SPREAD INDEX	ASTM E84	70
(1)	SMOKE DEVELOPMENT INDEX	ASTM E84	185
(1)	SELF IGNITION TEMPERATURE	ASTM D1929	740 F°
(1)	RATE OF BURNING	ASTM D635	0.79 IN./MIN.
(1)	SMOKE DENSITY	ASTM 2843	0.7%
(1) & (2)	AVERAGE MODULUS OF RUPTURE	ASTM C158	WEATHERING

- (1) SPECIMEN: LAMINATED GLASS WITH SAFLEX® HP (DM) COMPOSITE INTERLAYER.
NOTE THAT SAFLEX® HP (DM) COMPOSITE BY ITSELF (UNPROTECTED) DOES NOT COMPLY WITH FLORIDA BUILDING CODE.
- (2) WEATHERING PER SECTION 2612 OF THE FLORIDA BUILDING CODE.
(BEFORE MR = 5319 PSI; AFTER MR = 5490 PSI DELTA 7.8%)

SAFLEX® IS A TRADEMARK OF EASTMAN CHEMICAL CO.
STORMGUARD IS A TRADEMARK OF VIRACON, INC.

SAFLEX HP (DM) CAN BE CONSTRUCTED AS LAYERS OF SAFLEX, SAFLEX MULTI-LAYER AND VANCEVA® PVB INTERLAYERS TO ADD COLOR, PERFORMANCE OR THICKNESS WITHOUT THE USE OF PET FILM.

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR AN NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEMS USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE F.B.C.
A LIST OF AUTHORIZED LAMINATORS SHALL BE FILED WITH DADE COUNTY BY EASTMAN CHEMICAL CO.



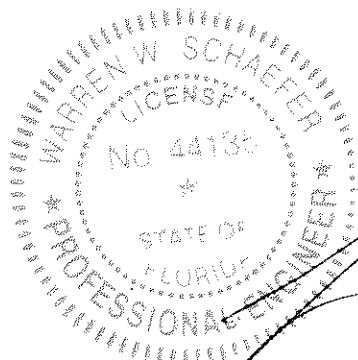
MAY 15 2013

WARREN W. SCHAEFER, P.E.
STRUCTURAL ENGINEER
P.E. NO. 44135

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
(CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

B1	UPDATE TO BE CONSISTENT WITH SAFLEX HP NOA	10/03/12
A1	UPDATED CONSULTANTS ADDRESS	10/26/11
REV. #	DESCRIPTION	DATE
VIRACON, INC. 800 PARK DRIVE OWATONNA, MN 55060 PHONE: 507-444-3333		
TITLE: STORMGUARD INTERLAYER FOR LAMINATED GLASS		
DRAWING NO. 1567	DRAWN BY: W.W.S.	DRAWING DATE: 01/08/08
		SHEET NO. 1 OF 2

MATERIAL DESIGNATION	SMOKE DENSITY RATING PER ASTM D2843	DADE NOTIFICATION NO.
SAFLEX® & VANCEVA® COLORANTS		
CLEAR	5%	ETC-11-726-25079.0
WHITE	20%	ETC-11-726-25076.0
BLACK	2%	ETC-11-726-25080.0
BLUE	5%	ETC-11-726-25077.0
YELLOW	9%	ETC-11-726-25079.0
RED	10%	ETC-11-726-24882.0



MAY 15 2013

WARREN W. SCHAEFER, P.E.
STRUCTURAL ENGINEER
P.E. NO. 44135

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7480 150TH COURT NORTH
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PHONE: 561-744-3424

VIRACON, INC.

800 PARK DRIVE
OWATONNA, MN 55060
PHONE: 507-444-3333

TITLE:

STORMGUARD INTERLAYER
FOR LAMINATED GLASS

DRAWING NO.
1567

DRAWN BY:
W.W.S.

DRAWING DATE:
01/08/08

SHEET NO.
2 OF 2